

NORTHERN CALIFORNIA BOTANISTS

BOTANICAL LEAFLETS

ISSUE 11

SPRING 2013

PRESIDENT'S MESSAGE

It's beginning to look like summer. With the sporadic rains we had this winter, it will be interesting to see what the bloom is like up-slope. This spring was also interesting as I collected plants for the General Botany class I taught at Shasta College. Many species were out earlier than I am used to seeing them. I helped with both the Mt. Lassen and Siskiyou wildflower shows and both were fantastic. I got to visit Table Mountain five times this spring and it was wonderful each time. Retirement

for me has had some nice perks! Hope you all have enjoyed the wildflowers this year.

Our next Northern California Botanists (NCB) Symposium will be January 13-14, 2014 at California State University, Chico. We are in the planning stages and it is coming together - which is great!

We have finished our review of the student scholarship applications for the 2013-2014 school year. It was hard to make the selec-

tions with so many fantastic projects planned! We are awarding two additional scholarships this year and the Shasta Chapter of CNPS is funding yet another for a total of 10 scholarships! What a wonderful collaborative effort to get another scholarship awarded! Hopefully a new batch of botanists doing vital work in Northern California will develop from those scholarships.

Linnea Hanson



OFFICERS

President: Linnea Hanson

Vice President: Samantha Hillaire

Secretary: Jessica Hammond

Treasurer: Gail Kuenster

MEMBERS-AT-LARGE

Barbara Castro

Matt Guilliams

Chris Ivey

Lawrence Janeway

Chase Lentz

Robert Schlising

Joe Silveira

Daria Snider

Mike Williams

NEWSLETTER EDITOR

Gail Kuenster

INSIDE THIS ISSUE:

PRESIDENT'S MESSAGE	1
SAVE THE DATE FOR THE SIXTH NCB SYMPOSIUM!	1
MYSTERY PLANT	1
2014 KEYNOTE SPEAKER	2
2013-2014 STUDENT RESEARCH SCHOLARSHIPS AWARDS	2
ANSWER TO "MYSTERY PLANT"	2
BOTANISTS IN ACTION	3

MYSTERY PLANT

Can you identify this plant that is non-green and leafless, and receives nutrition from green plants through fungal intermediates? It is found in the forests of NW California, the higher Cascades and Sierra Nevada, and ranges to Nevada, Montana and British Columbia at 75-3000 meters.

(photoed here in open Jeffrey pine forest on Lovejoy basalt)



2014 SYMPOSIUM KEYNOTE ADDRESS

We are pleased to announce David Ackerly as the Keynote speaker for the Northern California Botanists 2014 Symposium. Dr. Ackerly is a distinguished professor in the Department of Integrative Biology at the University of California Berkeley. Ackerly's research examines the ecology and evolution of

California's native plants. His interests include the adaptations of plants to the Mediterranean-climate, the diversity of drought-tolerance and post-fire life-history strategies, and the importance of topography and microclimates for plant distributions. His current research on the potential impacts of cli-

mate change on native vegetation, emphasizes the San Francisco Bay Area and the implications for open space management and biodiversity conservation. Ackerly's talk will be titled "Climate Change and Conservation: Visualizing our Future."

2013-2014 STUDENT RESEARCH SCHOLARSHIP AWARDS

An important mission of the Northern California Botanists is to provide monetary scholarships for students doing research on botanical subjects in northern and central California. We received 29 applications and as usual there were many great research projects to choose from. This year, we are awarding nine scholarships and the Shasta Chapter of CNPS is sponsoring one additional scholarship for a student from and/or conducting research in their Chapter Area (Shasta, Siskiyou, Modoc, and Lassen Counties)*. In total, NCB is awarding ten \$1,000 scholarships for 2013-2014. The scholarship recipients are listed below. Congratulations and thank you to all of the students that submitted applications!

2013-2014 NCB RESEARCH SCHOLARSHIP RECIPIENTS

Applicant	Degree Program	College	Title of Research Project
Angelita Ashbacher	PhD	University of California, Santa Cruz	The effects of climate change on wildflower fitness: the role of plant-pollinator interactions
Stanford Bronwen	PhD	University of California, Santa Cruz	The role of habitat heterogeneity promoting resilience in vernal pool plant communities
Kelsey McDonald	MS	Humboldt State University	Tidal seed dispersal of <i>Spartina densiflora</i>
Jason Mills	MS	Chico State University	Reestablishing the competitive hierarchy in an invaded California grassland through the process of habitat restoration following the prescribed burn of <i>Centaurea solstitialis</i>
Rachel Olliff	MS	University of California, Davis	Phenological cuing in <i>Lathyrus littoralis</i> and one of its important pollinators, <i>Habropoda miserabilis</i> , in the coastal dunes of Humboldt Bay
Juliet Oshiro	PhD	University of California, Santa Cruz	Climate change and plant phenology in Santa Cruz County, California
Lars Rosengreen	MS	San Jose State University	Is yellow more mellow? Exploring the relationship between corolla color and stress tolerance in skunk monkey flower (<i>Diplacus mephiticus</i>)
Scott Simono	MS	San Francisco State University	Morphological, cytological and molecular evidence for redefining the identity of the red flowered <i>Silene</i> (Caryophyllaceae) in California
Jane Van Susteren <i>*Shasta Chapter CNPS Scholarship*</i>	MS	San Francisco State University	Cliff notes on California's Sedum
Catherine Wade	PhD	University of California, Santa Cruz	Impacts of snow and rain change on native and invasive sagebrush steppe fire fuel properties

Answer to "Mystery Plant": Sugar stick (*Allotropa virgata*), Heath Family (Ericaceae)

NORTHERN CALIFORNIA BOTANISTS IN ACTION

This issue of Leaflets features a continuing series that highlights well-known to possibly less-well-known botanists, with photographs from the present to several decades back. If you have unpublished pictures of Northern California Botanists to share, please send jpeg and relevant information to rschlising@csuchico.edu



Doctor Bob Holland and brother Al, cooking morning grub for the annual "full-tilt-power-mosey" at the fabled Flying M Ranch in eastern Merced County. Bob has made major contributions to science on plants and soils of vernal pools, and his updatings of vernal pool distribution maps are out-of-this world in more ways than one.

Bob and his wife, Virginia Dains, have a consulting firm (Geobotanical Phenomenology) located in Auburn, California.

(Photo by Joe)



Marla Knight, shown at the Siskiyou Co. WMA weed booth at the county fair. She started her career on the Klamath National Forest in 1977 and is currently Forest Botanist. In 1994 she started the Siskiyou County Wildflower Show, an event sponsored by the Klamath and Shasta-Trinity National Forests and the Shasta Chapter of CNPS. Her passion is the management and eradication of invasive plants. Marla was honored by the California Invasive Plant Council with a Partnership Award.



John Dittes, shown hand-pollinating lowland shooting stars in the Vina Area in 1992. He and his wife Josephine run a consulting firm in Los Molinos (Dittes and Guardino Consulting) which services a wide area in the western states. John is a very versatile botanist/ecologist, and presents a range of outstanding workshops for the Friends of the Chico State Herbarium (e.g., on grasses, sunflowers and vernal pool plants). He is an excellent entomologist and a specialist on rain beetles.



Julie Kirstead Nelson has been the Forest Botanist on the Shasta-Trinity National Forest since 1989. Before working for the Forest Service she was the first curator of The Berry Botanic Garden Seed Bank for Rare and Endangered Plants of the Pacific Northwest, currently housed at Portland State University <http://seedbank.pdx.edu/seed-bank> She is involved with the Northern California Botanists and has been a Presenter or Session Chair at a number of NCB Symposia. Julie also teaches plant identification at Shasta College.



NORTHERN CALIFORNIA BOTANISTS

P. O. Box 8042
Chico, CA 95927-8042

Save the Date!
NCB Symposium
*January 13-15,
2014*

MEMBERSHIP APPLICATION/RENEWAL

Name: _____

Affiliation: _____

Address: _____

City: _____ State: _____ Zip: _____

Email: _____

MEMBERSHIP DUES:

Individual \$25.00 Student/Limited Income \$15.00

Family or Small Business/Non-Profit (two memberships) \$40.00

In addition, I would like to donate \$_____ to Northern California Botanists to help fund NCB programs and student research scholarships.

Make checks payable to "Northern California Botanists" and mail to:

Northern California Botanists
P. O. Box 8042
Chico, CA 95927-8042

NCB is a federally recognized 501 (c) (3) non-profit organization. Membership dues and donations are tax deductible.

MEMBERSHIP AND
DONATIONS ALSO
ACCEPTED ONLINE AT
WWW.NORCALBOTANISTS.ORG

E-mail:
ncbotanists@gmail.com